

Daniel™ MeterLink™ Software v1.10

for Daniel Gas and Liquid Ultrasonic Flow Meters

MeterLink™



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1 Daniel MeterLink™ system requirements

Installation system requirements

| Software requirements |
|--|
| Windows® XP Service Pack 2 or later |
| Windows Vista® |
| Windows™ 7 (Ultimate, Home Premium and Professional 32- and 64-bit editions) |
| Windows® 8 ("basic", Pro and Enterprise 32- and 64-bit editions) |
| Microsoft™ Excel® 2000 or later version (log file(s) are CSV format if Excel 2000 or later is not available) |
| Microsoft® XML parser v2.6 or above |
| Internet Explorer 5.01 or later |

Note

Daniel CUI should not be run simultaneously with Daniel MeterLink™

| Hardware |
|--|
| PC with a 133MHz Pentium or higher processor (300MHz recommended) |
| One serial port available for remote/local connection (for on-line operations) |
| One Ethernet port available for remote/local connection (for on-line operations) |
| One parallel port for connection to a local printer, or a connection to a network printer (optional) |
| 100MB of free hard disk space |
| Super VGA monitor (at least 1024x768 resolution) |
| Windows®-compatible printer (optional), modem (remote connection only) and mouse (i.e. Mouse, Trackball or Touchpad) |

2 Install Daniel MeterLink

Software installation

Procedure

1. Insert the CD in the appropriate drive.
2. Follow the installation wizard instructions to complete the software installation.
3. Use the tables below for your operating system.

Make sure you have administrative rights before proceeding. If you are not sure, continue and the installation program will inform you if you don't and abort the installation. Consult your system administrator for assistance.

Note

The Daniel MeterLink installation program is also available for download from the Daniel Measurement and Control, Inc. website: <http://www.daniel.com/um2.htm>

Windows® XP installation

| Install Daniel MeterLink on Windows® XP |
|--|
| Start > Run > Browse. Locate directory for Setup.exe> Click OK. |
| Browse to locate the directory for Setup.exe> Click OK. |
| Windows® opens the setup file. Click Next. |
| Click the radio button to accept the License Agreement terms. |
| Click Next and select Complete Setup type. |
| Click Next and follow the instructions on the screen to complete the installation. |

Windows® Vista installation

| Install Daniel MeterLink on Windows® Vista |
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| Start > Computer. Locate CD drive containing the disk. |
| Double-click Setup.exe to begin the installation. |
| You will receive a message An unidentified program wants access to your computer, select Allow - I trust this program. I know where it's from or I've used it before. |
| Windows® opens the setup file. Follow the instruction on the screen. |
| Click the radio button to accept the License Agreement terms. |
| Click Next and select Complete Setup type. |
| Click Next and follow the instructions on the screen to complete the installation. |

Windows® 7 installation

| Install Daniel MeterLink on Windows® 7 |
|--|
| Start>All Programs>Accessories>Run. |
| Browse to locate the directory for Setup.exe> Click OK. |
| Windows® opens the setup file. Click Next. |
| Click the radio button to accept the License Agreement terms. |
| Click Next and select Setup type (Complete setup is recommended). |
| Click Next and follow the instructions on the screen to complete the installation. |
| Click Next and follow the instructions on the screen to complete the installation. |

Windows® 8 installation

| Install Daniel MeterLink on Windows® 8 |
|--|
| Start>All Programs>Accessories>Run. |
| Browse to locate the directory for Setup.exe> Click OK. |
| Windows® opens the setup file. Click Next. |
| Click the radio button to accept the License Agreement terms. |
| Click Next and select Setup type (Complete setup is recommended). |
| Click Next and follow the instructions on the screen to complete the installation. |

3 Install a direct connection driver

If an Ethernet connection is unavailable, install the standard communications cable between two computers driver or the Daniel Direct Connection driver.

| Configure a direct connection on Windows® XP |
|---|
| Start>Control Panel > Printers and Other Hardware. |
| Double-click the Phone and Modem Options icon. If prompted, enter the required data in the Location Information dialog (country/region, area code, carrier code, number to dial for an outside line, and tone dialing). |
| Select Modems >ADD (Delete existing drivers for the COM port you want to use. |
| Select the check box Don't detect my modem; I will select it from a list > click Next. |
| Select Standard Modem Types (in Manufacturer field). |
| Select Communications cable between two computers (in Models field) > click Next. |
| Choose Selected ports (only select the port you want to use to communicate with Daniel MeterLink.) |
| Click Finish to close the wizard. |
| The Communications cable between two computers driver now displays in the Modem list. |
| Click OK to close the dialog. This completes the driver installation. |

| Configure a direct connection on Windows® Vista |
|--|
| Start > Control Panel. |
| Double-click Phone and Modems Options icon. If prompted, enter the required data in the Location Information dialog (country/region, area code, carrier code, number to dial for an outside line, and tone dialing). |
| Select Modems>Add (Delete existing drivers for the COM port you want to use.) A message may appear "Windows needs your permission to continue. Select Continue to proceed." |
| Select the check box Don't detect my modem; I will select it from a list > Click Next. |
| Click Have Disk. |
| Under Copy manufacturer's files from: enter default installation directory, e.g., C:\Program Files\Daniel\Daniel Meter-Link. |
| Click Browse, if necessary, to search for the Daniel MeterLink installation directory > Click OK. |
| From the Models field, select Daniel Direct Connection > click Next. |
| Click Selected ports (only select the port you want to use to communicate with Daniel MeterLink.) > Click Next. |
| Click Finish to close the wizard. |
| The Communications cable between two computers driver now displays in the Modem list. Multiple instances of the driver will appear, if it was installed for multiple COM ports. |
| Click OK to close the dialog. This completes the driver installation. |

Configure a direct connection on Windows® 7

Start>Control Panel Select Small icons for View by. **Note:** If you have a touch screen monitor, swipe from the right edge of the monitor to display the Start charm.

Click the Phone and Modem icon.

The Phone and Modem Options dialog appears. Select the Modems tab. Click Add to start the installation wizard.

On the first page of the wizard, select the check box “Don't detect my modem; I will select it from a list”. Click Next to continue.

On the second page of the wizard, select Have Disk.

Enter the installation directory for Daniel MeterLink™ under “Copy manufacturer's files from”: option. The default installation directory is typically C:\Program Files\Daniel\Daniel MeterLink. Click Browse, if necessary to search for the Daniel MeterLink™ installation directory. Click Daniel Direct Connection. Click Open to continue.

The Add Hardware Wizard displays. Under the Models list, select Daniel Direct Connection and click Next to continue.

Click Selected ports (only select the port you want to use to communicate with Daniel MeterLink) > Click Next.

Click Finish to close the wizard. This completes the driver installation.

Configure a direct connection on Windows® 8

Start>Control Panel Select Small icons for View by. **Note:** If you have a touch screen monitor, swipe from the right edge of the monitor to display the Start charm.

Click the Phone and Modem icon.

The Phone and Modem Options dialog appears. Select the Modems tab. Click Add to start the installation wizard.

On the first page of the wizard, select the check box “Don't detect my modem; I will select it from a list” and click Next to continue.

On the second page of the wizard, select Have Disk.

Enter the installation directory for Daniel MeterLink™ under “Copy manufacturer's files from”: option. The default installation directory is typically C:\Program Files\Daniel\Daniel MeterLink. Click Browse, if necessary to search for the Daniel MeterLink installation directory. Click Daniel Direct Connection. Click Open to continue.

The Add Hardware Wizard displays. Under the Models list, select Daniel Direct Connection and click Next to continue.


Click Selected ports (only select the port you want to use to communicate with Daniel MeterLink) > Click Next.

Click Finish to close the wizard. This completes the driver installation.

4 Configure the Daniel MeterLink™ meter directory

Create a meter directory

If your meter has not previously been configured, Daniel MeterLink will create a meter directory record named “New Meter” with default settings.

1. Open the Meter Directory using the File>Meter Directory menu or use the Meter Directory icon .
2. Create a new record by selecting Insert, Insert Duplicate, or Add from the File pull-down menu.
3. Enter a meter name, short description, and meter type.
4. Use the Direct, Modem, Ethernet check boxes for the desired communication method.
5. Edit the connection properties for each connection method selected by clicking the button enabled at the bottom of the dialog.

Note

Daniel MeterLink provides detailed Online Help and context-sensitive help on any page or menu item activated by pressing F1.

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This product is a core component of the PlantWeb digital plant architecture.

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